

The GOFER project (2009-2012)

Project objective and idea

The main objective for the GOFER project is to contribute to a reduction in emissions, queues, accidents and operator costs related to heavy freight, by introducing new technical solutions and ways of cooperation. The GOFER project idea is to develop concepts which facilitate control and management of heavy freight vehicles, much the same way as the air control manages airplanes approaching or leaving an airport.

Demonstration activities

The last phase of the project is dedicated to three separate demonstration activities:

Live-demo:

During the winter season of 2011-12, eight heavy duty vehicles from Bring took part in a ten-week long live demonstration on the 500 km long route from Oslo to Trondheim. The test was based on data systems developed in the project, and included exchange of driver-initiated messages related to conditions along the route, calculation of arrival time and delays to terminal, using a newly developed Speed model for heavy vehicles, and recommended route to the destination in Trondheim. A video from the demonstration is available on the project web site.

Heavy vehicle driving simulator:

A driving simulator for heavy vehicles has been used to study possible effects of measures prioritizing heavy vehicles, such as access to public transport lanes and priority in traffic lights. The tests were carried out using updated description of road network and traffic conditions for Trondheim. A video from the test is available on the project web site.

Simulation model for access to the Alnabru terminal area in Oslo:

To study full scale effects of and necessary requirements for the implementation of a GOFER-system, a simulation model is used to study the access to the Alnabru terminal area. These activities are part of a doctoral study, and will continue after the closing of the GOFER project.

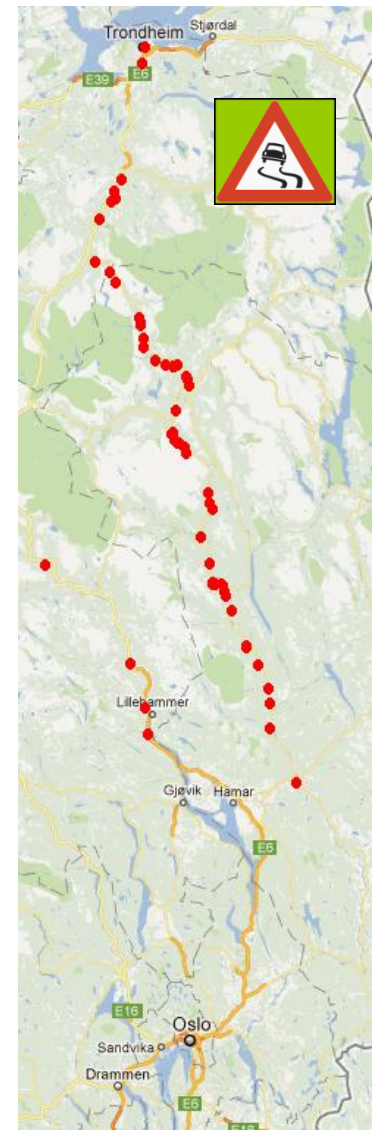
Project organisation

Project period is 2009-2012. The project is co-financed by The Research Council of Norway. ITS Norway (www.itsnorge.no) is project owner, and the consortium includes the following partners: SINTEF (Project manager), NTNU, Bring, CargoNet, the National Public Roads Administration (NPRA), Triona, Q-Free, Norwegian Logistics and Freight Association (LTL), Oslo, Bergen and Trondheim municipalities, Rogaland County, Trondheimfjord Intermunicipal Harbour (TIH).

Contact

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More information on the project: <http://www.sintef.no/gofereng>



Messages about slippery road surface, sent from the vehicles participating in the live-demonstration Oslo - Trondheim. Map data: Google Maps

